

Programming of Management and Orchestration of Virtualized Network Resources

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Network Functions Virtualization is a new paradigm for changing the way networks are built and operated. Decoupling software implementation from network resources through a virtualization layer introduces a need for developing sets of NFV management and orchestration (MANO) functions. We focus on coordinating management functions implemented within different functional blocks to accomplish reliable operation for MANO functions operating in distributed environments. The challenges are illustrated on a practical example on Open Stack virtual technology and on the problems inspired by telecommunication industry.